

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

SERIAL NO.
09/845 601

09/845601

APPLICANT
Byung Hoon Ahn et al.

(Use several sheets if necessary)

FILING DATE
04/26/2001

~~GROUP~~
~~2011~~

2815

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

EXAMINER

DATE CONSIDERED

6/11/05

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U.S. Department of Commerce, Patent and Trademark Office					Atty Docket No.		Serial No.	
					AB-1134 US		09/845,601	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Applicants			
(Use several sheets if necessary)					Byung Hoon Ahn, Jae Hun Ku, Young Suk Chung, Suk Gu Ko, Sung Sik Jang, Young Nam Choi, Won Chul Do			
					Filing Date		Group	
					April 26, 2001		2811	
U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA							
	AB							
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	AD							
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Foreign Patent Documents								
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		Document	Date	Country	Class	Subclass	Yes	No
		94-1979	1/3/94	Korea	H01L	21/56		X
		97-72358	11/7/97	Korea	H01L	23/50		X
	AN							
	AO							
	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	RECEIVED						
	AR	FEB 13 2002						
		OFFICE OF PETITIONS						
Examiner		Date Considered						
		6/11/05						
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U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>SK</i>	AA	6,281,568 B1	8/28/01	Glenn, et al.	257	684	
<i>SK</i>	AB	6,225,146 B1	5/1/01	Yamaguchi, et al.	438	123	
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
<i>SK</i>	AL	1-106456 w/Eng. Abstract	4/24/89	Japan	H011	23/50		X
	AM							
	AN							
	AO							
	AP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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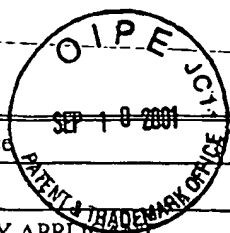
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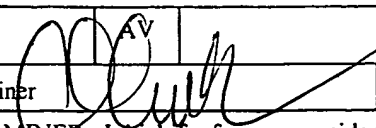
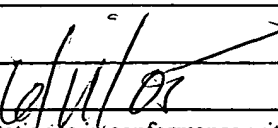
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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
<i>[Signature]</i>	AA	6,130,115	10/10/00	Okumura, et al.	438	124		
<i>[Signature]</i>	AB	6,025,640	2/15/00	Yagi, et al.	257	666		
<i>[Signature]</i>	AC	6,198,171	3/6/01	Huang, et al.	257	787		
<i>[Signature]</i>	AD	6,242,281	6/5/01	McLellan, et al.	438	106		
<i>[Signature]</i>	AE	5,736,432	4/7/98	Mackessy	438	123		
	AF							
	AG							
	AH							
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	AJ							
	AK							
Foreign Patent Documents								
							Translation	
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	AO							
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U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
AA		6,229,200	5/8/01	McLellan, et al.	257	666		
AB		4,812,896	3/14/89	Rothgery, et al.	357	70		
AC		5,157,480	10/20/92	McShane, et al.	357	74		
AD		5,200,362	4/6/93	Lin, et al.	437	207		
AE		5,200,809	4/6/93	Kwon	257	707		
AF		5,214,845	6/1/93	King, et al.	29	841		
AG		5,216,278	6/1/93	Lin, et al.	257	688		
AH		5,221,642	6/22/93	Burns	437	207		
AI		5,273,938	12/28/93	Lin, et al.	437	207		
AJ		5,277,972	1/11/94	Sakumoto, et al.	428	355		
AK		5,279,029	1/18/94	Burns	29	856		
AL		5,332,864	7/26/94	Liang, et al.	174	52.4		
AM		5,343,076	8/30/94	Katayama, et al.	257	717		
AN		5,406,124	4/11/95	Morita, et al.	257	783		
AO		5,424,576	6/13/95	Djennas, et al.	257	666		
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
AP		57-45959 w/Eng. Abstract	3/16/82	Japan	H01L	23/28		X
AQ		62-9639	1/17/87	Japan	H01L	21/56	X	
AR		61-39555 w/Eng. Abstract	2/25/86	Japan	H01L	23/36		X
AS		63-205935 w/Eng. Abstract	8/25/88	Japan	H01L	23/28		X
AT		63-233555 w/Eng. Abstract	9/29/88	Japan	H01L	23/30		X
AU		7-312405	11/28/95	Japan	H01L	23/50	X	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
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U.S. Patent Documents								
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<i>CE</i>	AA	5,604,376	2/18/97	Hamburgen, et al.	257	676		
<i>CE</i>	AB	5,608,267	3/4/97	Makulikar, et al.	257	796		
<i>CE</i>	AC	5,639,990	6/17/97	Nishihara, et al.	174	52.2		
<i>CE</i>	AD	5,640,047	6/17/97	Nakashima	257	738		
<i>CE</i>	AE	5,641,997	6/24/97	Ohta, et al.	257	788		
<i>CE</i>	AF	5,646,831	7/8/97	Manteghi	361	813		
<i>CE</i>	AG	5,650,663	7/22/97	Parthasarathi	257	706		
<i>CE</i>	AH	5,683,806	11/4/97	Sakumoto, et al.	428	343		
<i>CE</i>	AI	5,696,666	12/9/97	Miles, et al.	361	764		
<i>CE</i>	AJ	5,701,034	12/23/97	Marrs	257	706		
<i>CE</i>	AK	5,710,064	1/20/98	Song, et al.	437	220		
<i>CE</i>	AL	5,894,108	4/13/99	Mostafazadeh, et al.	174	52.4		
<i>CE</i>	AM	6,001,671	12/14/99	Fjelstad	438	112		
<i>CE</i>	AN	6,130,473	10/10/00	Mostafazadeh, et al.	257	666		
Foreign Patent Documents								
							Translation	
	AO	Document	Date	Country	Class	Subclass	Yes	No
<i>CE</i>	AP	8-125066	5/17/96	Japan	H01L	23/12	X	
<i>CE</i>	AQ	8-306853	11/22/96	Japan	H01L	23/50	X	
<i>CE</i>	AR	9-8205	1/10/97	Japan	H01L	23/50	X	
<i>CE</i>	AS	9-8206	1/10/97	Japan	H01L	23/50	X	
<i>CE</i>	AT	9-8207	1/10/97	Japan	H01L	23/50	X	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
AU								
Examiner <i>CE</i>		Date Considered <i>6/5/05</i>						
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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
AA		5,521,429	5/28/96	Aono, et al.	257	676		
AB		5,981,314	11/9/99	Glenn, et al.	438	127		
AC		6,143,981	11/7/00	Glenn	174	52.4		
AD		5,336,931	8/9/94	Juskey, et al.	257	787		
AE		5,977,613	11/2/99	Takata, et al.	257	666		
AF		5,776,798	7/7/98	Quan, et al.	438	112		
AG		3,833,984	10/1/74	Crane, et al.	29	193.5		
AH		4,530,152	7/23/85	Roche, et al.	29	588		
AI		5,041,902	8/20/91	McShane	357	79		
AJ		5,172,213	12/15/92	Zimmerman	257	796		
AK		5,172,214	12/15/92	Casto	257	676		
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							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
AL		9-92775	4/4/97	Japan	H01L	23/50	X	
AM		55-163868 w/Eng. Abstract	12/20/80	Japan	H01L	23/48		X
AN		60-195957 w/Eng. Abstract	10/4/85	Japan	H01L	23/48		X
AO		DE 197 34 794	8/11/97	Germany	H01L	23/50		X
AP		6-92076 w/Eng. Abstract	4/5/94	Japan	H01L	23/00		X
AQ		59-227143 w/Eng. Abstract	12/20/84	Japan	H01L	23/12		X
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
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<i>[Signature]</i>	AA	5,258,094	11/2/93	Furui, et al.	156	634	
<i>[Signature]</i>	AB	5,278,446	1/11/94	Nagaraj, et al.	257	707	
<i>[Signature]</i>	AC	5,435,057	7/25/95	Bindra, et al.	29	830	
<i>[Signature]</i>	AD	5,783,861	7/21/98	Son	253	693	
<i>[Signature]</i>	AE	5,835,988	11/10/98	Ishii	257	684	
<i>[Signature]</i>	AF	5,859,471	1/12/99	Kuraishi, et al.	257	666	
<i>[Signature]</i>	AG	5,866,939	2/2/99	Shin, et al.	257	666	
<i>[Signature]</i>	AH	5,877,043	3/2/99	Alcoe, et al.	438	123	
<i>[Signature]</i>	AI	5,977,630	11/2/99	Woodworth, et al.	257	712	
<i>[Signature]</i>	AJ	4,707,724	11/17/87	Suzuki, et al.	357	71	
<i>[Signature]</i>	AK	4,756,080	7/12/88	Throp, Jr., et al.	29	827	
<i>[Signature]</i>	AL	5,273,938	12/28/93	Lin, et al.	437	207	

Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
<i>[Signature]</i>	AM	794 572 A2	9/10/97	EPO	H01L	23/495	X	
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	AO							
	AP							
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